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3/9/02

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

ATTY.'S DOCKET: **MOROZ=3**

In re Application of: MOROZ, Chaya	)	Examiner:
Appln. No.: 09/786,867	)	Art Unit:
IA Filing Date: 08 Sep 1999	)	Washington, D.C.
For: DNA SEQUENCE ENCODING ONCOFETAL FERRITIN PROTEIN	)	October 30, 2001

SECOND PRELIMINARY AMENDMENT

Honorable Commissioner of Patents
Washington, D.C. 20231

Sir:

Prior to examination upon the merits, kindly amend as follows:

IN THE SPECIFICATION

Please replace the paragraph beginning at the bottom of page 1, line 14, with the following rewritten paragraph:

--The name "*ferritin*" actually encompasses a number of individual isomeric forms which are characteristic of different tissue types. Each isoferritin has 24 subunits of two distinct types, being light subunits (L) and heavy subunits (H). These subunits differ in molecular weight, the light subunit being about 18 kDa, and the heavy subunit about 19-21 kDa. The isoferritins extracted from different tissues or organs typically exhibit different isoelectric points, with the isoelectric focusing pattern of human tissues forming a continuous spectrum: those tissues associated with high iron storage have ferritin at the basic end of the spectrum (e.g. spleen and liver), while iron poor tissues, (e.g. heart and placenta) and malignant cells have acidic ferritin. (Drysdale, J., *Ciba Found. Symp.*, **51**:41, 1976). The